



PERMIT #LMON102307 A.P.N. #435-480-15 EST #H186426 -

COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: FORMER MISSION BAY SLF

SITE ADDRESS: 2512 QUIVIRA CT., SAN DIEGO CA 92123

PERMIT FOR: 4 GROUNDWATER MONITORING WELLS & 10 SOIL BORINGS

PERMIT APPROVAL DATE: JUNE 14, 2004

PERMIT EXPIRES ON: OCTOBER 12, 2004

RESPONSIBLE PARTY: CITY OF SAN DIEGO ENV. SERVICES DEPT., DISP. DIV.

PERMIT CONDITIONS:

- Wells must have a minimum 3-foot concrete surface seal. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000-pound compressive strength.
- All water and soil resulting from the activities covered by this permit must be managed, stored 2. and disposed of as specified in the SAM Manual in Section 5, E- 4. (http://www.sdcounty.ca.gov/deh/lwq/sam/manual guidelines.html). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.
- 3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.
- This office must be given 48-hour notice of any drilling activity on this site and advanced 4. notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.

DATE: 06/14/52004

JUN 1 7 2004

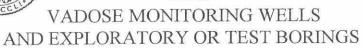
EBS

SCS Engineers Co

DEH:SAM-9075 (4/03)

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PERMIT APPLICATION GROUNDWATER AND





OFFICE USE ONLY

PERMIT # | MON 102307

SAM CASE Y D#H 19 (0424)

DATE RECEIVED: 6-1-04

FEE PAID: 1215.

CHECK # 18005 4 1022

A. RESPONSIBLE PARTY (Mailing Address 960) Contact Person	Hy & Son D. ego, Ex Ridgehaven Ct., Ste on F Fontana	NV. Services Dept., D 3/0 City Son D Phone 858. 69	Psp. D.V. Phone 858, 694, 7000 lego State CA Zip 92123 4.7000 ext.			
B. SITE ASSESSMENT PRO	SITE ASSESSMENT PROJECT IF APPLICABLE #H					
Mailing Address 8779 Registered Professional	CONSULTING FIRM Environmental Business Solutions Mailing Address 8799 Ballow Ane., Ste 290 City Son Diego State CA Zip 97.123 Registered Professional Tessa McRae Registration # 6587 (RG, RCE, CEG) Contact Person Keith Etchells Phone 858.571.5500 ext. 740					
D. DRILLING COMPANY Mailing Address 3670	Vest Hormat Da Kurtz Streat	city Son I	554979 Phone 619.686.5860			
F CONSTRUCTION INFORM	MATION					
E. CONSTRUCTION INFORM TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED # Groundwater# Vadose Boring Other NUMBER OF WELLS TO BE DESTROYED #	Not Applicable Type PVC Gauge Sh. 40 Diameter 7" Well Screen Size 0.010 Filter Pack #7/17 (Specify)	STO BE USED SEAL/BORING BACKFILL Neat Cement Cement & Bentonite Sand-Cement Bentonite Other ing Method Air Rotary Other	PROPOSED CONSTRUCTION Estimated ground water depth ZO ft. Estimated sport of the standard sport of the stand			
I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. DRILLER'S SIGNATURE						
Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permitapplication.						
RG/RCE/CEG SIGNATURE Jenalla DATE 5/26/04						

F. SITE INFORMATION				
12-10	01500		. ·	
1. ASSESSOR'S PARCEL NUMBER 435 48	01500			-
Site Name Mission Bay Park		•		
Site Name Mission Bay Park Site Address 7517 Quinty Ct.	City <u>S</u>	on Diego	Zip	en=1)
	BE 5	-17	191 575	
PROPERTY OWNER City at Son Diego	Refuse Lisi	DESAL DIVISI	Phone 4-11-5055	
PROPERTY OWNER City of Son Diego Mailing Address 4590 Morphy Coryon Rock	y san Diege	State C	A Zip 972.123-43/5	L
NUMBER OF WELLS	TVDF OF WELLS	MONITO	RING	
NUMBER OF WELLS ,	_ ITE OF WELLS	1 10,4010	1-11-462	
2. ASSESSOR'S PARCEL NUMBER				-
Site Name				-
Site Address	City	10 To	Zıp	_
PROPERTY OWNER			Phone	_
Mailing Address Ci	ty	State	Zip	-
NUMBER OF WELLS	_ TYPE OF WELLS			
3. ASSESSOR'S PARCEL NUMBER		- Mento o monto o		-
Site Name			AT THE SECURE OF	
Site Address			Zip	
PROPERTY OWNER			Phone	
Mailing Address Ci	ty	State	Zip	-
NUMBER OF WELLS	_ TYPE OF WELLS			
4. ASSESSOR'S PARCEL NUMBER				_
Site Name				
Site Address	City		Zin	
Site Address	City			
			Dhana	
PROPERTY OWNER	v		rnone	-
Mailing AddressC	ty	State	Zıp	-
NUMBER OF WELLS	TYPE OF WELLS			

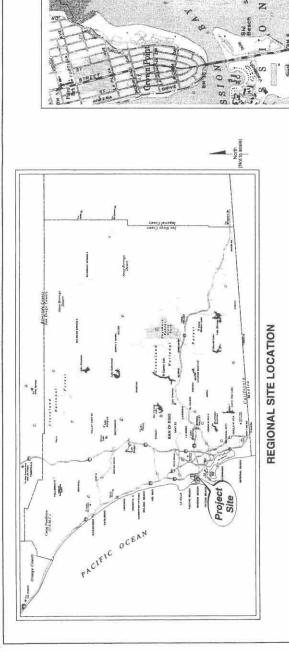
G. FEES (in effect beginning July 1, 2003 through June 30, 2004):

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	\$165.00 for the first monitoring well	\$165.00
Permit for Well Maintenance Inspection (Valid for three years)	\$ 90.00 for first well maintenance inspection	\$ 90.00
Each Additional New Well	\$140.00 for each additional well installation \$ 30.00 for each additional well maintenance inspection	3 x \$140.00 \$ 470.00 3 x \$ 30.00 \$ 90.00
Permit for Borings Only (CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)	\$165.00 for the first boring	\$165.00 x \$ 45.00 \$
Permit for Well Destructions Only	\$165.00 for the first destruction	\$165.00 x \$110.00 \$
Permit for any Combination of Well Installations, Borings, & Destructions (except UST backfill permit)	The first activity will be \$165.00. (If first activity is a well, add in \$ 90.00 for the first well maintenance inspection.) Additional activities will be as follows: \$140.00 for each additional well	\$165.00 (x \$ 90.00) x \$140.00 \$ x \$ 30.00 \$ x \$ 45.00 \$ x \$110.00 \$
Permit for Underground Storage Tank Monitoring System in Backfill (i.e. Enhanced Leak Detection)	\$305.00 (Flat Fee)	<u>\$305.00</u>
	TOTAL COST OF PERMIT	\$765.00

	Please answer all applicable questions completely. For well destructions, complete only #1 below and submit any required supportive documentation.
1.	If wells are to be destroyed, provide a description of method of destruction. Not appliable
2.	What is the purpose of the well/boring investigation?
	a) Part of an on-going site assessment case in which DEH or another government regulator is the lead
	agency. b) Part of a Phase I investigation for property ownership transfer or:
	C) Geotechnical investigation for proposed construction, land stabilization or:
	d) Other:
3.	What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
	Augers will be left in boring until seal is placed.
1	What field procedures will be utilized to determine if contamination exists?
т.	Soil somple screening with the use of a solibisted
	photo ionization detecter (FID), 25 well 25 visual
	and altadory observation.
5.	What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
	Soil sample screening with solib rated PID, as well as visual and o lifedory observation.
	28 VISCOI MA BITTOUTS (9 00 SWOTKOI).
6	What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
	VOCS(EPA BIGOB), SVOCS(EPA BIJO), PCBs(EPA BOBIA), Pesticides(EP
7.	ECBI) Chloriotted Herbicid-s(EPA 8150), PAHs (EPA 8340), THETZ MobilEPA GOIOB), Costa Le (EFA 335.Z), PH (EFA (50.1) How will samples be transported and preserved?
. 6	In a denice-tilled cooler.
8.	What sampling methods will be used? Split spen smpler.

H. QUESTIONAIRE:

9.	Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (http://www.sdcounty.ca.gov/deh/lwq/sam/monitoring_well.html).
	No.
10. spe	Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures cified in the current SAM manual? If yes, specify these variations and include a destruction diagram.
11.	What procedures will be used to ensure that no contamination will be introduced by the drilling equipment? Inspect ria for cleanliness before drilling and decontaminate equipment which pressure
	stem clerer between borings.
12.	What methods will be used to clean sampling equipment? All sampling equipment will be decontaminated w/ a top water and Alconox detergent, then rinsed w/ dejonized water (twice From seperate containers).
13	What cleaning method will be used to clean casing and screen prior to installation? All materials used in well construction will arrive packaged and predoned and will be handled using clean. Disposable glous.



Pacific

Puelsi

FIESTA BAY

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Note: Digital ortho-photograph provided to SCS by City of San Diego. Photograph dated March 2002.

SITE AERIAL PHOTOGRAPH

3-WAY SITE LOCATION MAP City of San Diego Mission Bay Landfill San Diego, California

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
8799 Balboa Avenue, Suite 290
San Diego, California 92123

U.S.G.S. TOPOGRAPHIC MAP

Reference: U.S.G.S. 7.5 Minute Quadrangle map "La Jolia, California" - 1977. Photo revised 1982.

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Figure 1.1
Date Revised: Project No.: 01203520.00

Disclaimer. This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.





County of San Diego

COPY

RICHARD HAAS ASSISTANT DIRECTOR

GARY W. ERBECK DIRECTOR DEPARTMENT OF ENVIRONMENTAL HEALTH LAND AND WATER QUALITY DIVISION P.O. BOX 129261, SAN DIEGO, CA 92112-9261 (619) 338-2222 FAX (619) 338-2377

1-800-253-9933

PROPERTY OWNER RESPONSIBILITY ACKNOWLEDGEMENT Proposed locations for subsurface work: Assessor's Parcel Number (APN) Property Address: 435-480-15-00 Mission Bay Park (Former Mission Bay Landfill) 2512 Quivira Ct., San Diego, CA 92109 , owner of the property/properties listed above, give my permission to Environmental Business Solutions (An SCS Engineers Company) (consulting company, contractor) to conduct the following work at the locations stated above. X Install 4 monitoring wells Destroy monitoring wells Drill _____ soil borings The person who causes to have a monitoring well installed or an existing well destroyed on this property is defined as the Responsible Party. San Diego County Code, Section 67.424, states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards, the Responsible Party must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the Responsible Party, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions." A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego Site Assessment and Mitigation (SAM) Manual and the State of California Well Standards Bulletin 74-90. I understand that Tessa McRae, Ph.D., R.G. 6582 (registered professional) of Environmental Business Solutions (An SCS Engineers Company) (consulting company) and authorized signer for West Hazmat Drilling Corp. (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I also understand that if either the registered professional and/or the licensed drilling company should fail in their responsibilities as defined in San Diego County Code, Section 67.424, I, as the property owner, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions. The scope of work covered by this Acknowledgement will expire one year from the date of the property owner's signature below. If an extension of time beyond one year is required to complete the proposed drilling activities or additional work is proposed, a new Property Owner Responsibility Agreement will be required. Property Owner Signature:

City of San Diego/Environmental Services Dept/Disposal Div

Mailing Address: 9601 Ridgehaven Ct, Ste 310, San Diego, CA 92123

___ Title: <u>Deputy Director</u>

DEH:SAM-9503 (Rev. 1-04)

Print Name: STEVEN F FONTANA

COUNTY OF SAN DIEBO DEPARTMENT OF SAVIRONMENTAL HEALTH

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PERMIT RECEIPT

Page 1 of 1

RECEIPT NUMBER:

04-85302

APN: 435-480-15-00

DATE ISSUED: 14-JUN-2004

PERMIT: LMON 102307

SCOPE: MONITORING WELL/CATHODIC WELL

SITE ADDRESS: 2512 QUIVIRA CT

SUBDIVISION:

CITY: San Diego, CA 92109

PARCEL OWNER: CITY OF SAN DIEGO

ADDRESS: PUBLIC AGENCY

CITY/STATE/ZIP:, 00000

PERMIT OWNER:

ADDRESS:

CITY/STATE/ZIP:

Contractor

Company

Role

MANUEL MARQUEZ

TESTAMERICA DRILLING CORP DBA: WEST HAZMAT DRILLING

TESSA MCRAE

ENVIRONMENTAL BUSINESS SOLUTIONS

Fees Calculated 12 Months Back

Date	Fee Code	Description		Paid to Date	This Receipt	Balance Due
14-JUN-2004	6LWABEHO	ADDITIONAL SOIL BORING		\$0.00	\$450.00	\$0.00
14-JUN-2004	6LWAMEHO	ADDITIONAL MONITORING WELL		\$0.00	\$420.00	\$0.00
14-JUN-2004	6LWMAINEHO	WELL MAINTENANCE FEE		. \$0.00	\$90.00	\$0.00
14-JUN-2004	6LWMAIXEHO	ADDITIONAL WELL MAINTENANCE FEE		\$0.00	\$90.00	\$0.00
14-JUN-2004	6LW25EHO	MONITORING WELL		\$0.00	\$165.00	\$0.00
14-JUN-2004	6ASUSPO	SUSPENSE ACCOUNT		\$0.00	\$120.00	\$0.00
			Totals:		\$1,335.00	\$0.00
Payment Cod	e <u>Desc</u>	ription				Amount
CHECK	1022	2-\$570.00, 18005-\$765.00				\$1,215.00
REFUND	REF	UND APPROVED				\$120.00
					Tendered:	\$1,335.00
					Change:	\$0.00
					Balance Due:	\$0.00

TEO JOHN A LANDON M

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PERMIT #LMON102307 A.P.N. #435-480-15-00 EST #H186426

COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH LAND AND WATER QUALITY DIVISION

MONITORING WELL PERMIT EXTENSION

SITE NAME: FORMER MISSION BAY SLF

SITE ADDRESS: 2512 QUIVIRA CT., SAN DIEGO, CA 92123

PERMIT FOR: 4 GROUNDWATER MONITORING WELLS & 10 SOIL BORINGS

ORIGINAL EXPIRATION DATE: OCTOBER 12, 2004

THIS WELL PERMIT HAS BEEN EXTENDED AT THE REQUEST OF THE PERMITEE. ALL CONDITIONS ON THE ORIGINAL OR MODIFIED PERMIT ARE STILL IN EFFECT.

REQUEST RECEIVED: SEPTEMBER 28, 2004

NEW EXPIRATION DATE: FEBRUARY 9, 2005

APPROVED BY: DATE: 9/29/2004

NOTIFIED: Marlel

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OCT 0 1 2004

SCS Engineers Co

COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH

REG 09-29-04 13:12 ROSE 138338

9141 141 428W25\$60.00 CHK \$60.00

FILE COPY

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OCT 0 1 2004

EBS SCS Engineers Co